

C40 LIQUEFIED NATURAL GAS(INSTALLATION ENERGY) (PC&S) (BULK)(DLA ENERGY MAY 2018)

Supplies delivered under this contract shall conform to all Federal, State, and local environmental requirements applicable to the geographic location of the receiving activity on the date of delivery. This includes delivery of fuel and documentation in a manner consistent with existing or future Title V (Clean Air Act) Permits. In the event that a Federal, State, or local environmental requirement is more stringent than a similar requirement in the specification contained in this contract, the Contractor shall deliver product that complies with the more stringent requirement. Product that fails to meet the more stringent environmental requirement will be considered to be a nonconforming supply. All supplies furnished under this contract shall fully meet the requirements of the applicable specification(s) as cited below. In the event that compliance with the more stringent requirement causes the contractor to incur additional costs, the contractor may request an equitable adjustment.

NATIONAL STOCK NUMBER	PRODUCT NOMENCLATURE	DLA ENERGY PRODUCT CODE
6830-01-672-6379	Liquefied Natural Gas	LNG

a) LIQUEFIED NATURAL GAS.

(1) Composition of product shall conform to the table listed below:

COMPONENT	UNITS	RICH COMPOSITION	LEAN COMPOSITION	AVERAGE COMPOSITION	LIMITS (Converted to Gas)
Nitrogen	mol%	0.486	0.713	0.495	1.500 Maximum
Methane	mol%	89.299	97.682	96.605	92.000 Minimum
Ethane	mol%	7.601	1.342	2.476	8.000 Maximum
n-Propane	mol%	1.832	0.171	0.270	2.500 Maximum
Maximum butane and heavier (C4+)					2.000 Maximum
i-Butane	mol%	0.359	0.035	0.059	See C4+
n-Butane	mol%	0.280	0.027	0.050	See C4+
i-Pentane	mol%	0.073	0.015	0.016	See C4+
n-Pentane	mol%	0.035	0.008	0.012	See C4+
Hexane	mol%	0.031	0.001	0.011	See C4+
Carbon Dioxide	mol%	0.005	0.005	0.005	0.010 maximum
Hydrogen	mol%	-	-	-	Trace
Oxygen	Mol%	-	-	-	Trace
Molecular Weight	lb/lb mol	18.03	16.40	16.59	-
Higher Heating Value	Btu/scf	1,109	1,017	1,031	1,000 minimum
Lower Heating Value	Btu/scf	1,002	917	930	900 minimum
Wobbe Index (59°F, 14.696 psia)	Btu/scf (HHV)	1,406	1,351	1,362	1,350 minimum
Methane Number (AVL calculation)	-	73			75 minimum
Hydrogen Sulfide	Grains per 100 scf	-	-	-	0.25 maximum
Sulfur	Grains per 100 scf	-	-	-	1.35 maximum

(2) Delivered LNG shall contain no contaminants, water or solid matter that may affect product quality.

	Signature
Prepared by:	
Quality/Technical Support Office Approval	
Contracting Approval:	